Suggested Format for Residue Chemistry Study Reports

Field Accumulation in Rotational Crops

OPPTS 860.1900

The purpose of this document is to suggest the format for final reports (right column) and to provide instructions for creation of Adobe PDF electronic submission documents (left column). The format is modeled after the NAFTA Data Evaluation Record template that will be used by OPP's and PMRA's scientists when this type of study is reviewed. The format is in outline form. The study report will include text and standard tables (detailed below).

Regarding PDF, both 'bookmarks' and 'links' are referenced. Bookmarks and links are similar in function in that both provide the reader with a way to move efficiently through a document as well as across documents. Bookmarks are a type of link that appear in the navigation pane on the left side of the PDF Reader user screen. Links appear within the body of a document as blue text. They permit the reader to jump to other locations with related information in the same document or other electronic documents.

Residue Chemistry Study Reports – FIELD ACCUMULATION IN ROTATIONAL CROPS	
Instructions to create PDF	**Document Format**
Create Bookmarks for each item in Document Format column.	• Study Title Page. • Statement of Data Confidentiality *No confidentiality claims can be made for electronically submitted studies at this time.* • GLP Statement. • QA Statement. • Table of Contents.
Create links in summary to related text and tables in body of study report or appendices.	• Executive Summary. - Summary of Background Information & Experimental Design. - Summary of Results.
Create links to related tables.	• Background Information and Experimental Design. - Background Information - See Tables 1 and 2. - Experimental Design - See Tables 3 - 5. - Analytical Methodology. - Results and Discussion - See Tables 6 - 9. • Appendix 1 – Detailed Study Site Information – See Tables 10 - 12

Table Formats

Tables should be imported into the PDF document from their native formats. See OPP's detailed technical specifications for creating PDF for details.

Table 1 – Test Compound Nomenclature.

Compound	Chemical Structure
Common Name	
Company experimental name	
IUPAC name	
CAS name	
CAS #	
End-use product/EP	

Table 2 – Physicochemical Properties.

Parameter	Value	Reference
Melting point/range		
pH		
Density		
Water solubility (__°C)		
Solvent solubility (mg/L at __°C)		
Vapor pressure at __°C		
Dissociation constant (pK_a)		
Octanol/water partition coefficient Log (K_{ow})		
UV/visible absorption spectrum		

Table 3 – Soil Characteristics.

Study Location (City, State)	Year	Soil Characteristics			
		Type	% OM	pH	CEC

Table 4 – Study Use Pattern.

Location (City, State)	Year	EP[1]	Application						Tank Mix Adjuv-ants
			Tim-ing	Rate, lb a.i./A (kg a.i./ha)	RTI[2] (days)	Treat. No.	Method	Total Rate lb a.i./A (kg a.i./ha)	

[1] EP = End-use Product

[2] RTI = Retreatment Interval

Table 5 – Summary of Concurrent Recoveries of [*chemical*] from [*matrix*].

Matrix	Analyte	Spike level (mg/kg)	Sample size (n)	Recoveries (%)	Mean ± std. dev.

Table 6 – Summary of Storage Conditions.

Matrix (RAC or Extract)	Storage Temp. (°C)	Actual Storage Duration (days or months)	Limit of Demonstrated Storage Stability (days or months)

Table 7 – [Chemical] Residues in Rotational Crops.

Location (City, State)	Year	Region	Crop/ Variety	Commodity	Total Rate lb a.i./A (kg a.i./ha)	Harvest Days after planting	Plant Back Interval (days)	Residues 1 (ppm)	Residues 2 (ppm)

Table 8 – Summary of Residue Data in Rotational Crops Following Primary Treatment with [chemical].

Commodity	Applic. Rate lb a.i./A (kg a.i./ha)	PBI (days)	Analyte	Residue Levels (ppm)				
				Min.	Max.	HAFT*	Mean	Std. Dev.

*HAFT = Highest Average Field Trial

Table 9 – Maintenance Chemical Information.

Study site	Pesticide or fertilizer applied	Rate	Date

Table 10 – Temperature Data.

Study site	Study period	Actual average minimum (C°)	Historic average minimum (C°)	Actual average maximum (C°)	Historic average maximum (C°)

Table 11 – Rainfall Data.

Study site	Study period	Actual rainfall average (cm)	Historic rainfall average (cm)